

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005960.D
 Acq On : 13 Nov 2018 20:20
 Operator : JC/MD
 Sample : J5931-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-181112

Quant Time: Nov 14 03:29:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	91122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	130868	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	118782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	57018	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	59479	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	5.49	113	47780	53.68	ug/l	-0.01
Spiked Amount			Recovery	=	107.36%	
50) Toluene-d8	8.71	98	156314	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	11.14	95	52082	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	

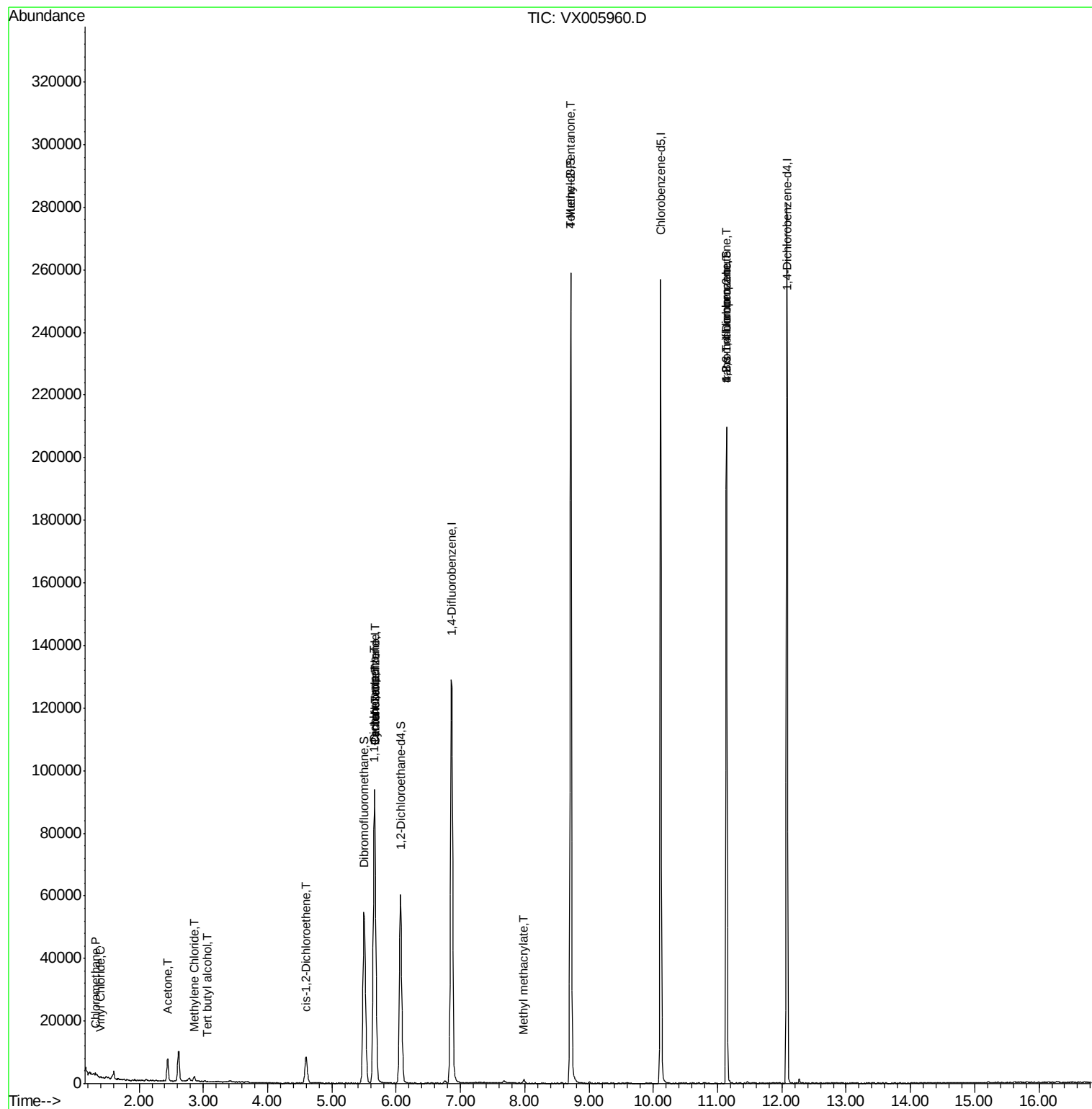
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	527	0.489	ug/l	99
4) Vinyl Chloride	1.40	62	220	0.203	ug/l #	68
11) Tert butyl alcohol	3.07	59	177	0.590	ug/l #	72
16) Acetone	2.45	43	7948	14.091	ug/l	94
18) Methyl Acetate	2.78	43	1595	Below Cal	#	87
20) Methylene Chloride	2.86	84	602	0.650	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	5560	5.927	ug/l	92
31) Cyclohexane	5.67	56	1748	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	6444	5.108	ug/l #	49
38) Carbon Tetrachloride	5.67	117	8179	6.476	ug/l #	16
48) Methyl methacrylate	7.98	41	509	0.472	ug/l #	35
51) 4-Methyl-2-Pentanone	8.71	43	717	0.473	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	26998	23.254	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	26998	74.114	ug/l #	9

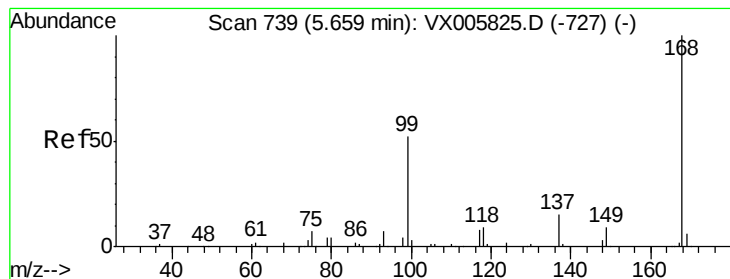
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111318\
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

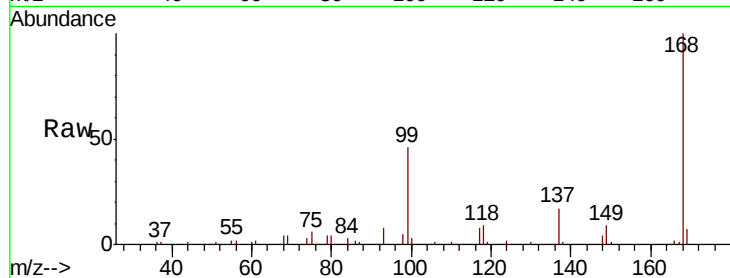
KY038PS036-181112

Tot Ion:168 Resp: 91122

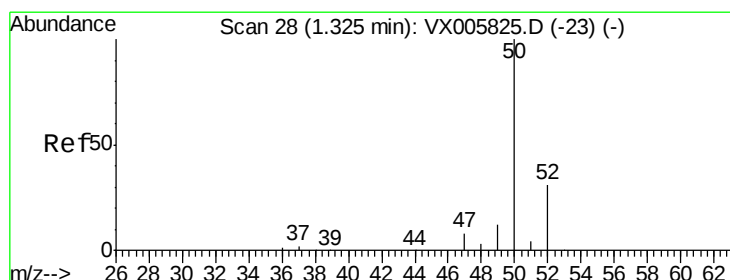
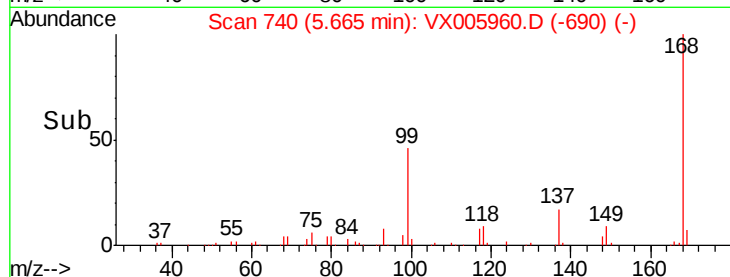
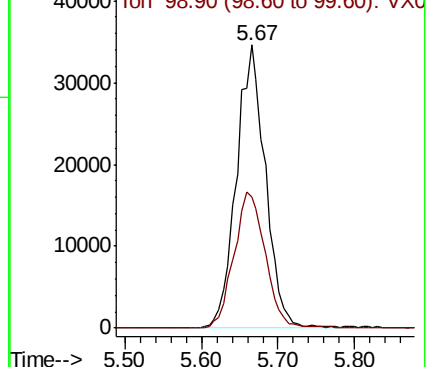
Ion Ratio Lower Upper

168 100

99 46.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005825.D (-727) (-)



#3

Chloromethane

Concen: 0.489 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005960.D

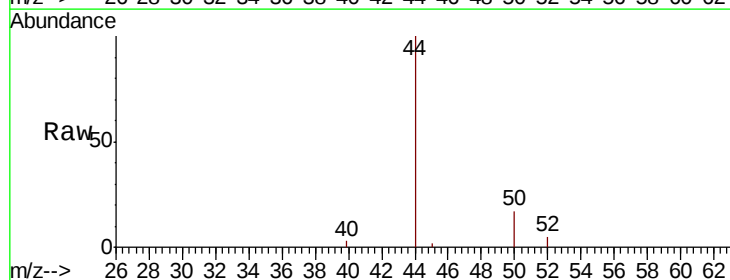
Acq: 13 Nov 2018 20:20

Tgt Ion: 50 Resp: 527

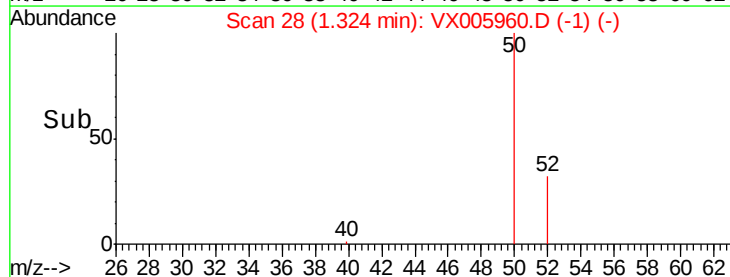
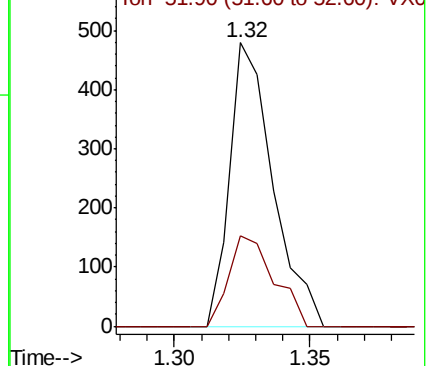
Ion Ratio Lower Upper

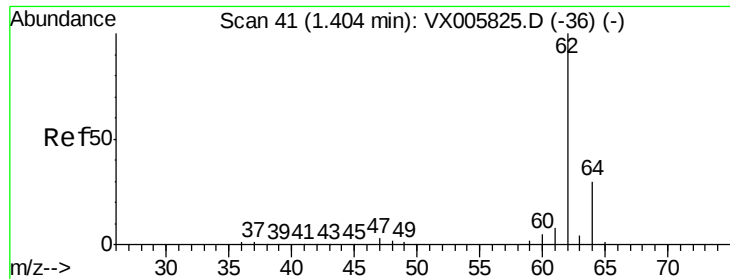
50 100

52 31.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX005825.D (-23) (-)





#4

Vinyl Chloride

Concen: 0.203 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

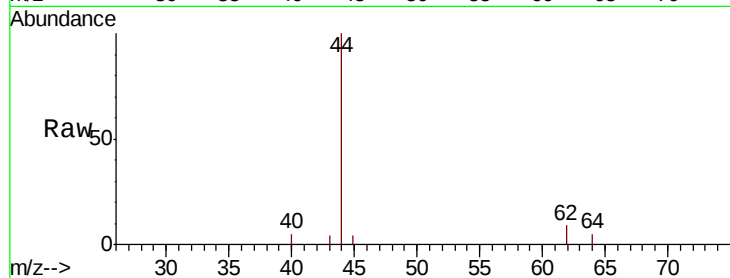
KY038PS036-181112

Tot Ion: 62 Resp: 220

Ion Ratio Lower Upper

62 100

64 49.4 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

200

150

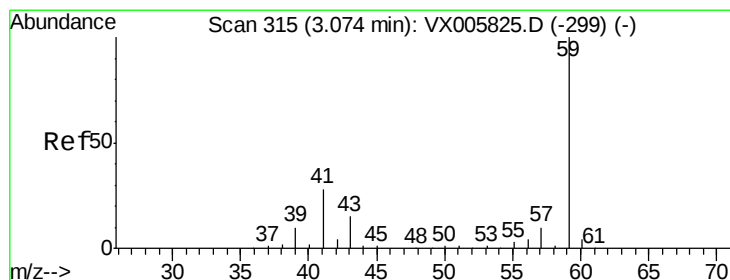
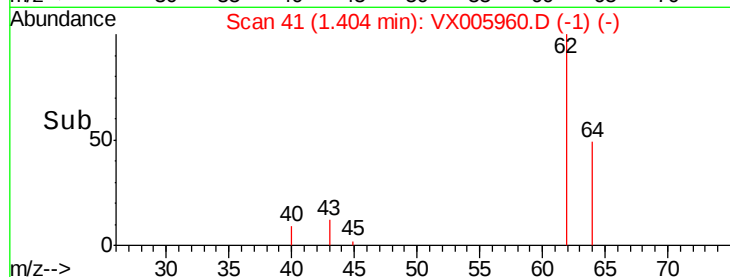
100

50

0

1.38 1.40 1.42 1.44

Time-->



#11

Tert butyl alcohol

Concen: 0.590 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX005960.D

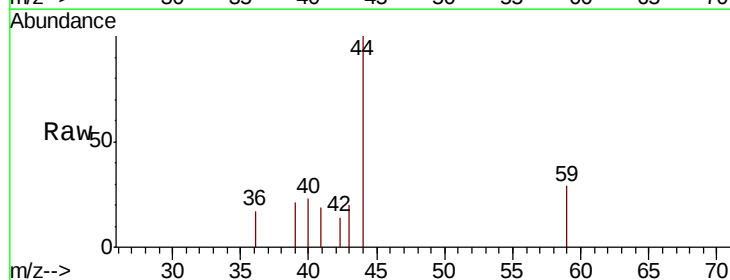
Acq: 13 Nov 2018 20:20

Tgt Ion: 59 Resp: 177

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

120

100

80

60

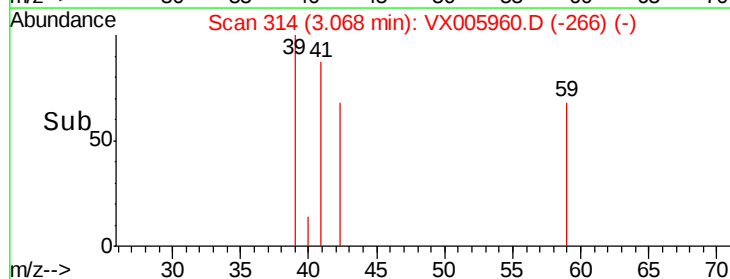
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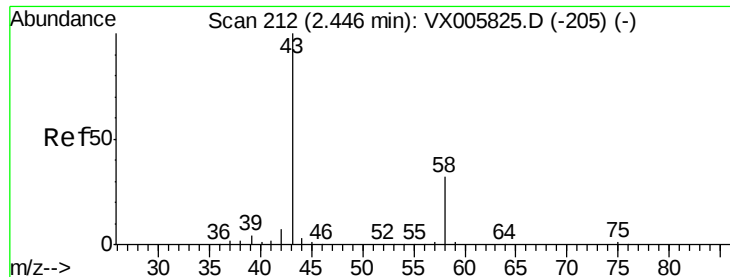
20

0

3.02 3.04 3.06 3.08 3.10

Time-->





#16

Acetone

Concen: 14.091 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

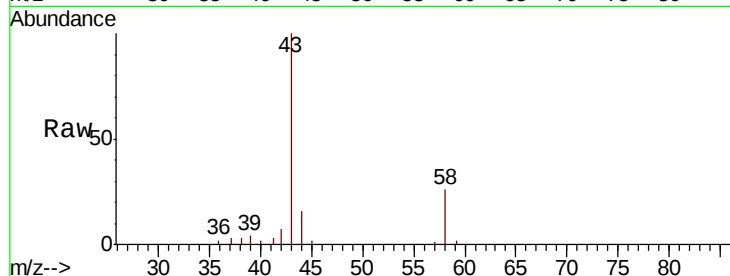
KY038PS036-181112

Tot Ion: 43 Resp: 7948

Ion Ratio Lower Upper

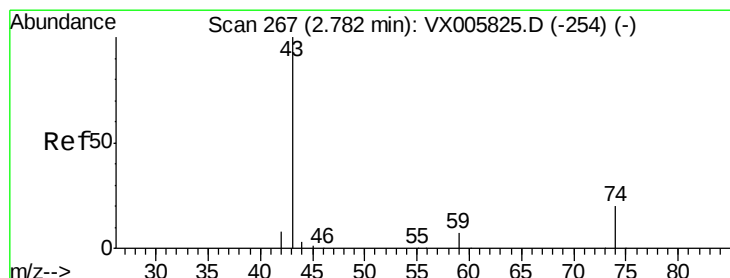
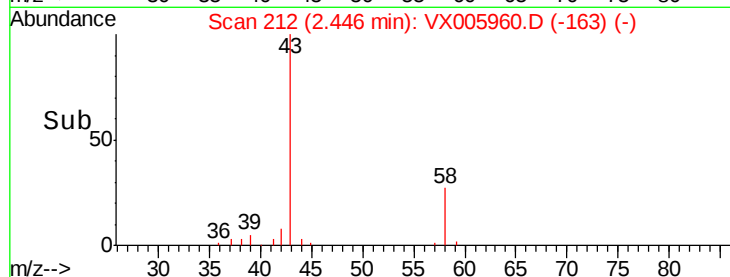
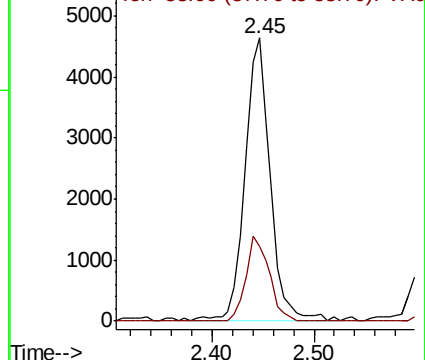
43 100

58 26.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005960.D

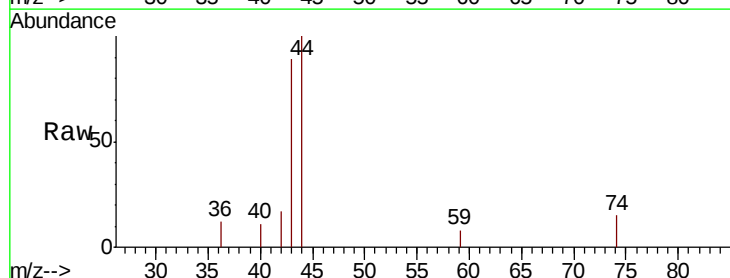
Acq: 13 Nov 2018 20:20

Tgt Ion: 43 Resp: 1595

Ion Ratio Lower Upper

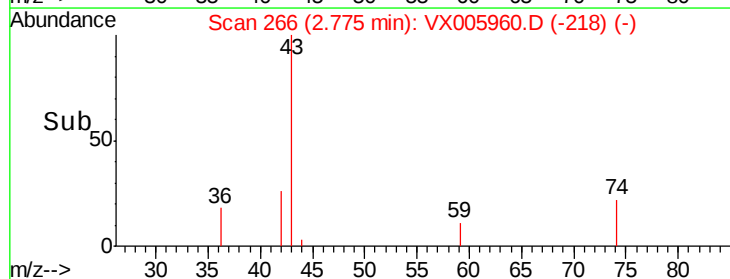
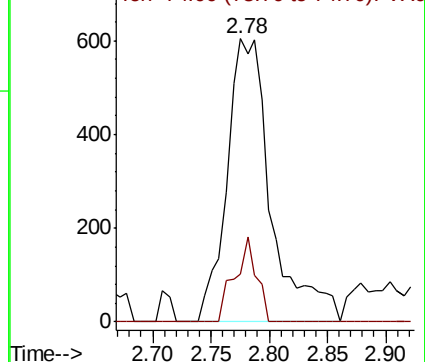
43 100

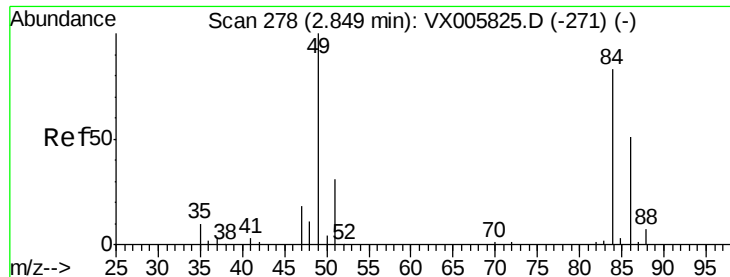
74 14.7 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.650 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-181112

Tot Ion: 84 Resp: 602

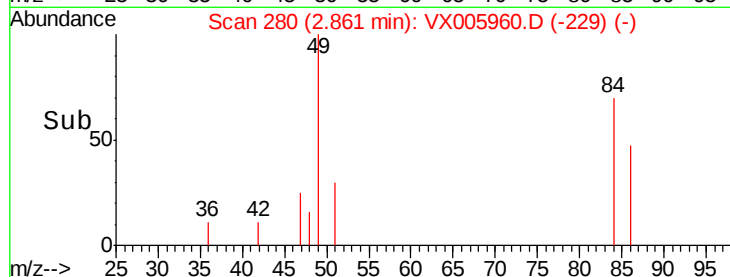
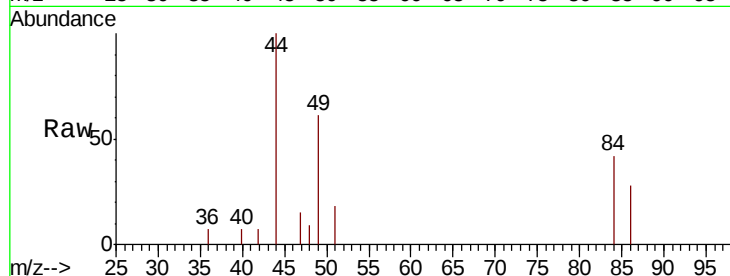
Ion Ratio Lower Upper

84 100

49 143.4 109.5 164.3

51 43.7 33.3 49.9

86 67.4 52.7 79.1

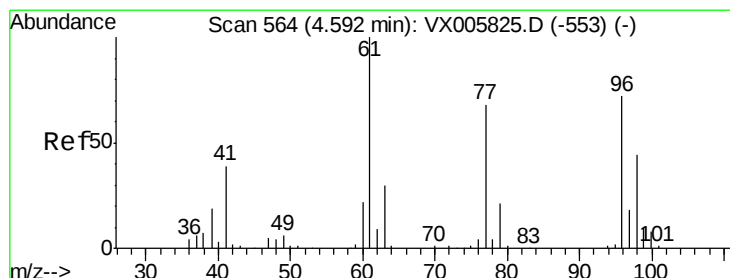
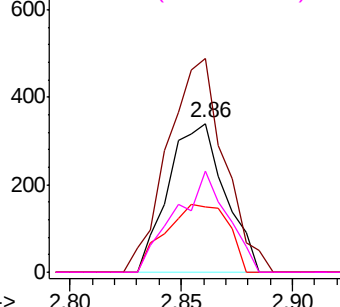


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 5.927 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

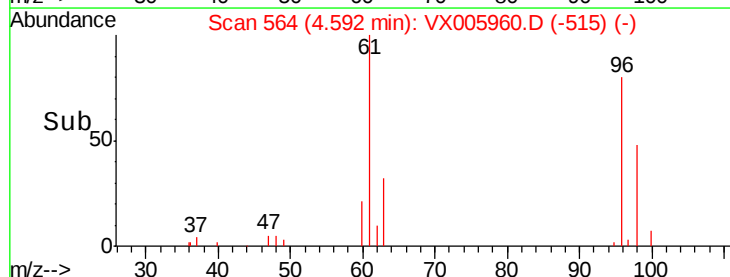
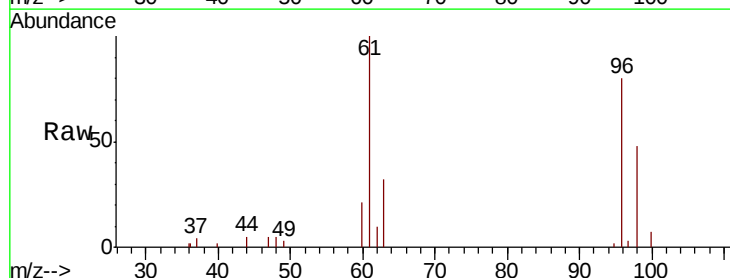
Tgt Ion: 96 Resp: 5560

Ion Ratio Lower Upper

96 100

61 138.5 0.0 304.6

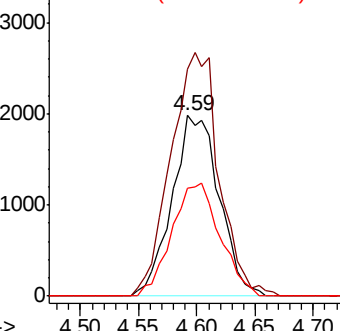
98 64.1 0.0 127.4

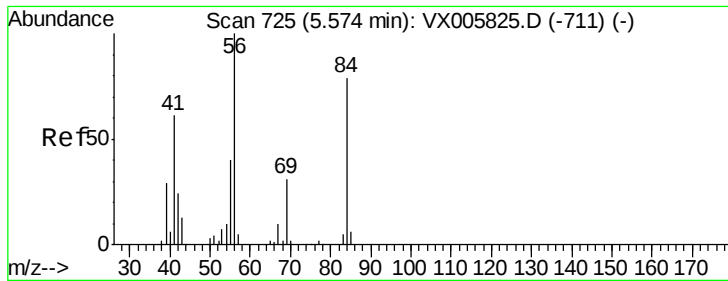


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

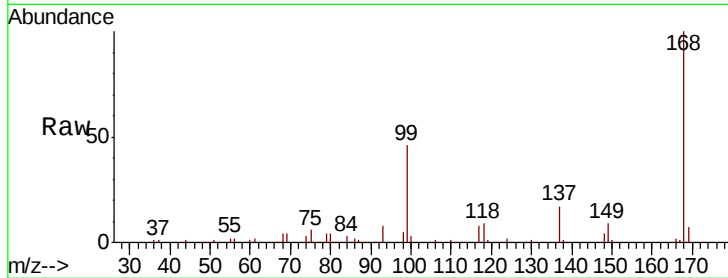




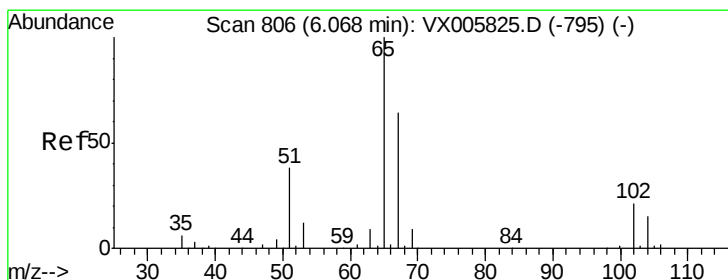
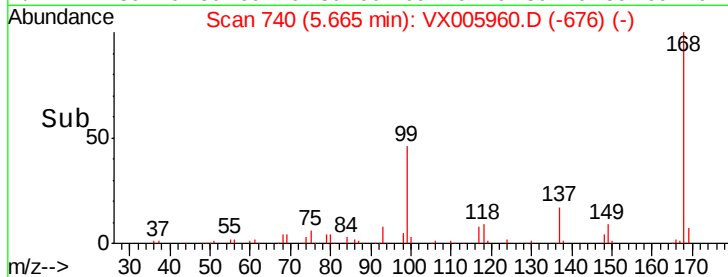
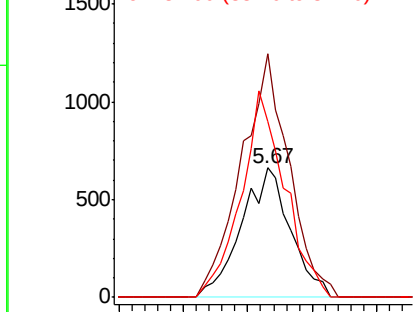
#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005960.D
Acq: 13 Nov 2018 20:20

Instrument :
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ClientSampleId :
KY038PS036-181112

Tot Ion: 56 Resp: 1748
Ion Ratio Lower Upper
56 100
69 188.1 22.6 34.0#
84 135.3 62.7 94.1#

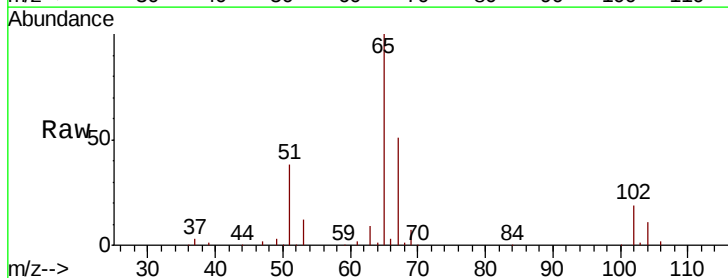


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

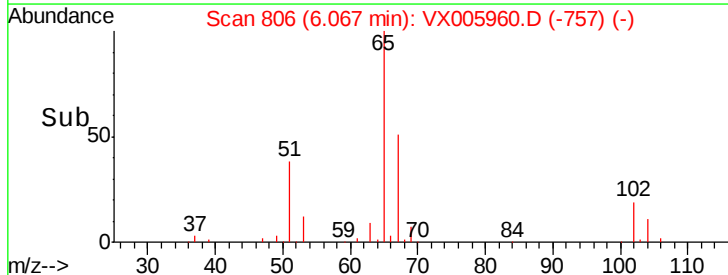
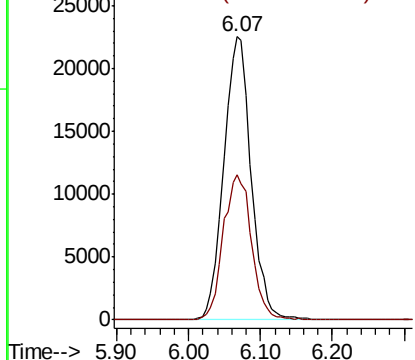


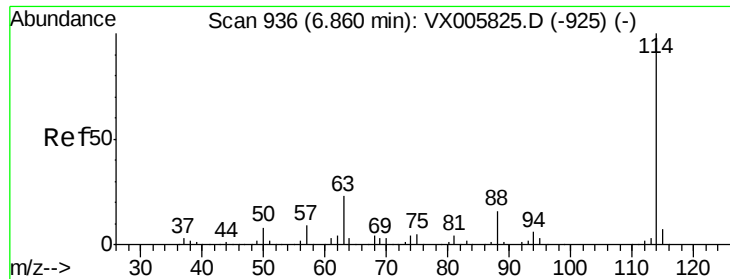
#33
1,2-Dichloroethane-d4
Concen: 56.778 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005960.D
Acq: 13 Nov 2018 20:20

Tgt Ion: 65 Resp: 59479
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

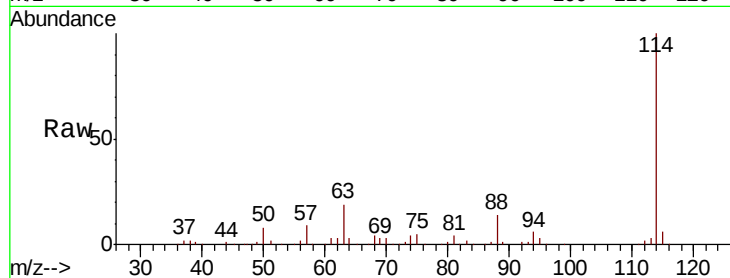




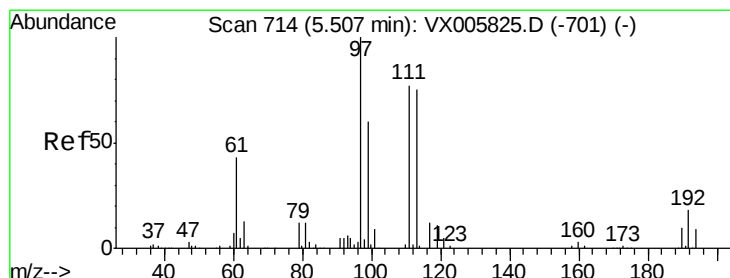
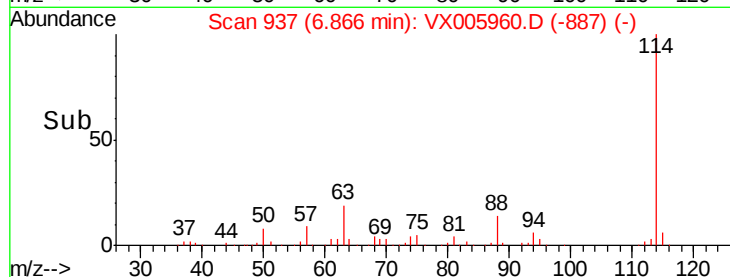
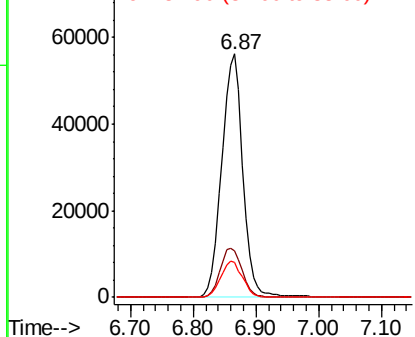
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005960.D
 Acq: 13 Nov 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-181112

Tot Ion:114 Resp: 130868
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.8
 88 14.3 0.0 31.2

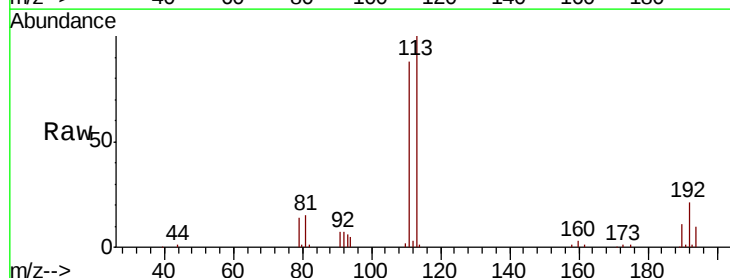


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

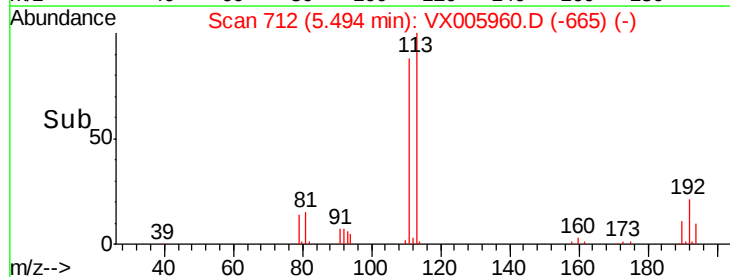
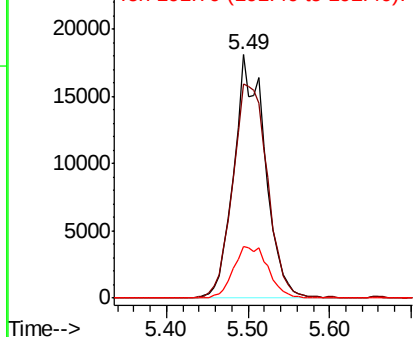


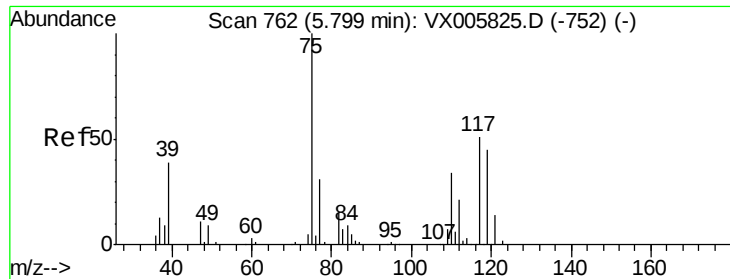
#35
 Dibromofluoromethane
 Concen: 53.679 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005960.D
 Acq: 13 Nov 2018 20:20

Tgt Ion:113 Resp: 47780
 Ion Ratio Lower Upper
 113 100
 111 98.2 82.3 123.5
 192 23.5 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

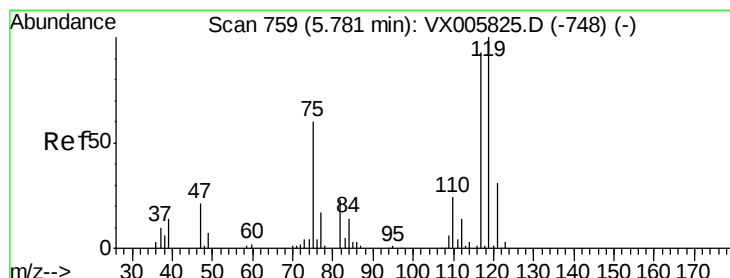
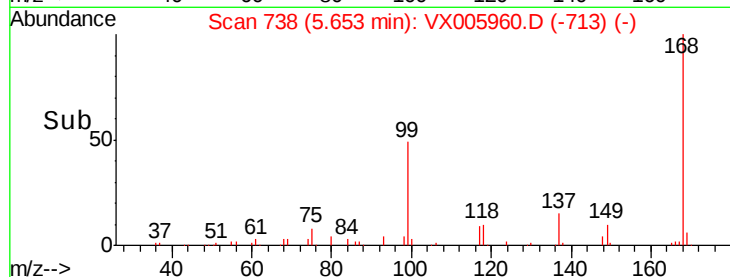
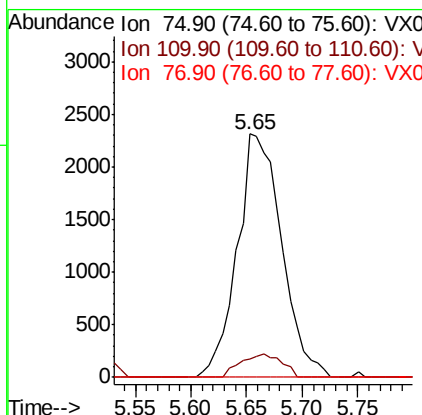
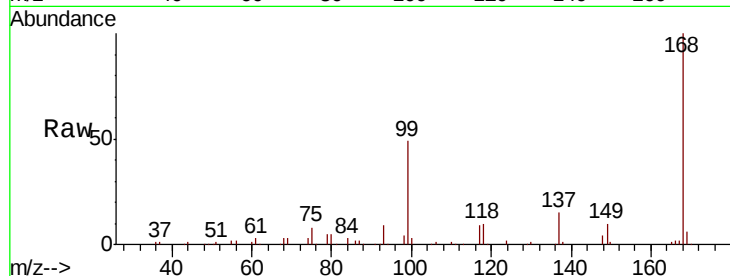




#36
 1,1-Dichloropropene
 Concen: 5.108 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX005960.D
 Acq: 13 Nov 2018 20:20

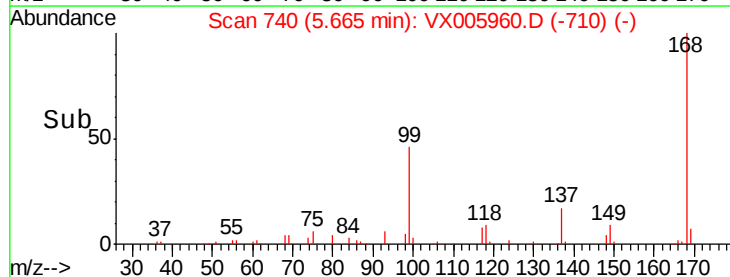
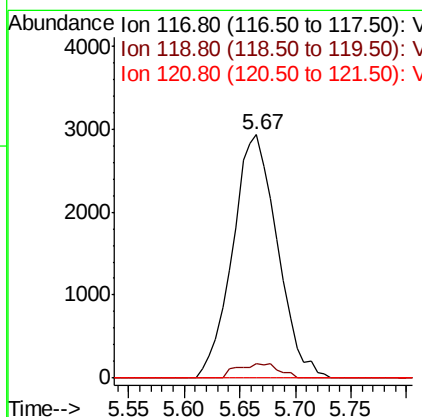
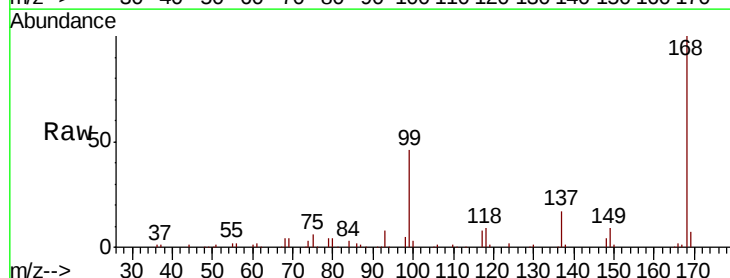
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-181112

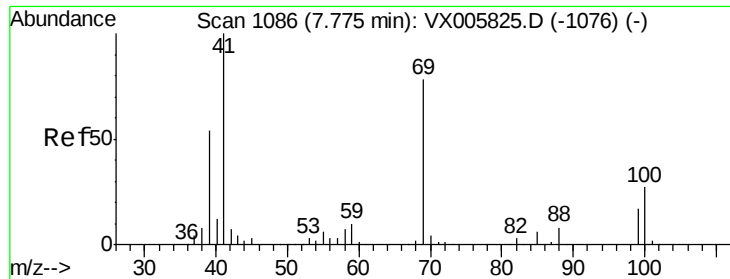
Tot Ion	75	Resp	6444
Ion Ratio	100	Lower	Upper
110	8.8	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.476 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005960.D
 Acq: 13 Nov 2018 20:20

Tgt Ion	117	Resp	8179
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	6.0	78.1	117.1#
121	0.0	24.6	36.8#

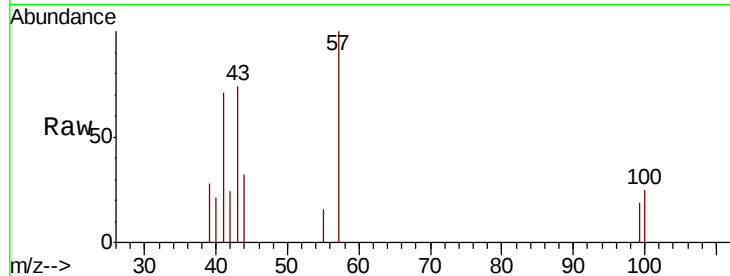




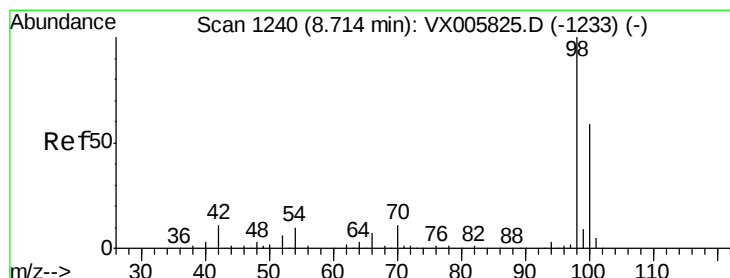
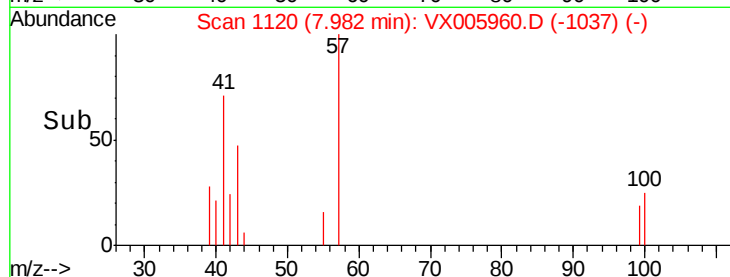
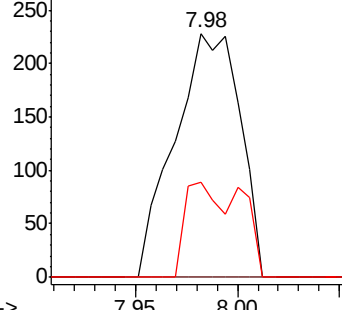
#48
Methyl methacrylate
Concen: 0.472 ug/l
RT: 7.98 min Scan# 1120
Delta R.T. 0.21 min
Lab File: VX005960.D
Acq: 13 Nov 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-181112

Tot Ion: 41 Resp: 509
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 33.4 42.2 63.2#

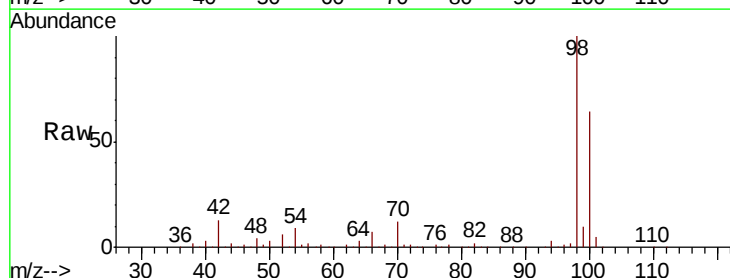


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

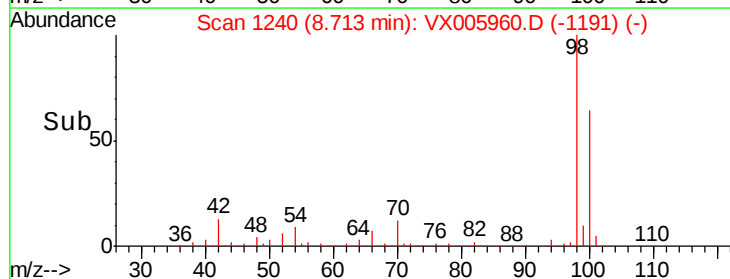
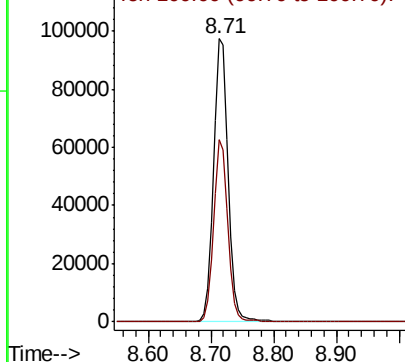


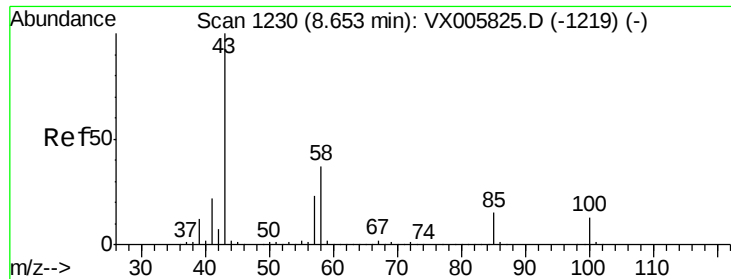
#50
Toluene-d8
Concen: 52.823 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005960.D
Acq: 13 Nov 2018 20:20

Tgt Ion: 98 Resp: 156314
Ion Ratio Lower Upper
98 100
100 62.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.473 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

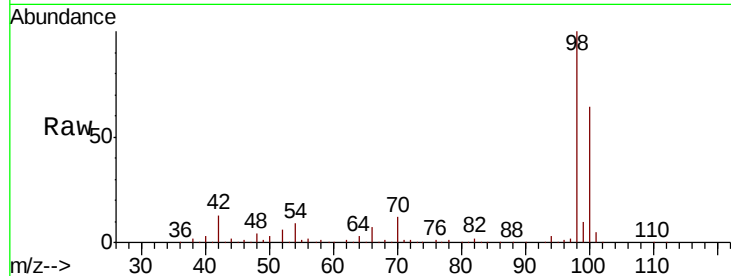
KY038PS036-181112

Tot Ion: 43 Resp: 717

Ion Ratio Lower Upper

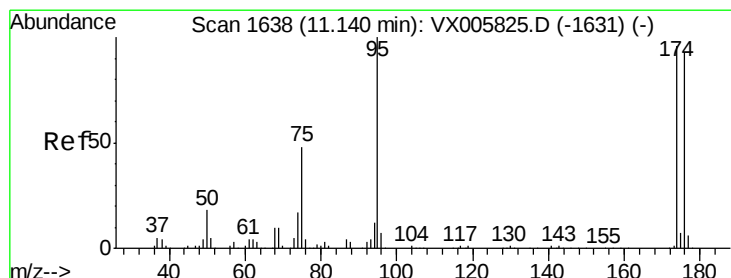
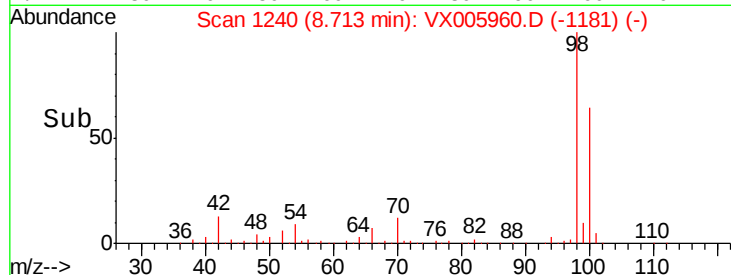
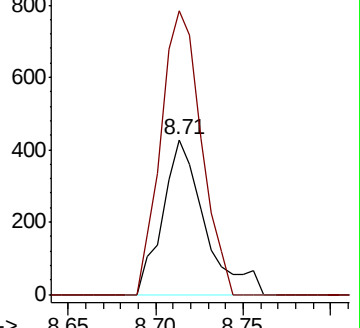
43 100

58 176.3 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 48.952 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

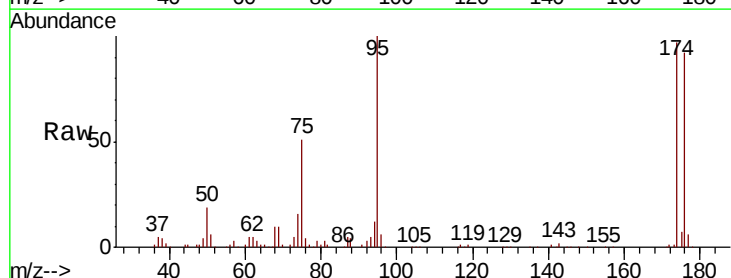
Tgt Ion: 95 Resp: 52082

Ion Ratio Lower Upper

95 100

174 94.0 0.0 184.4

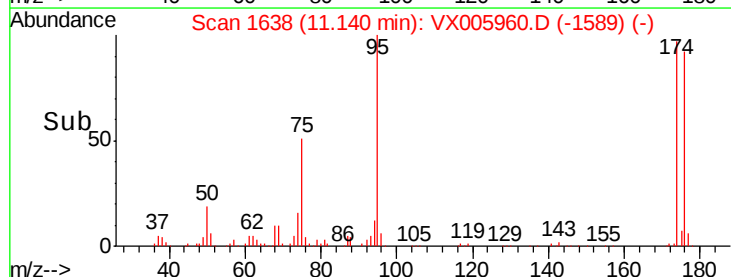
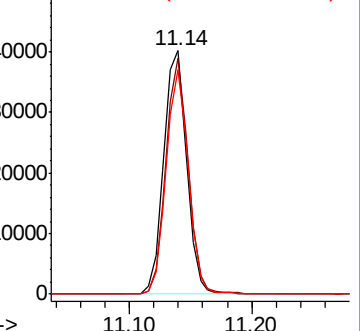
176 88.8 0.0 177.4

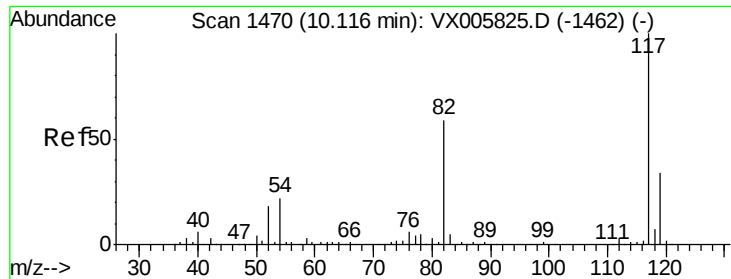


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

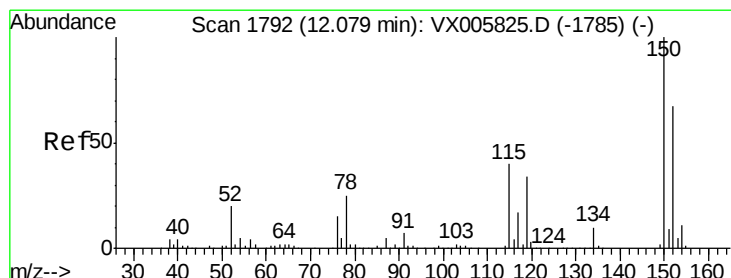
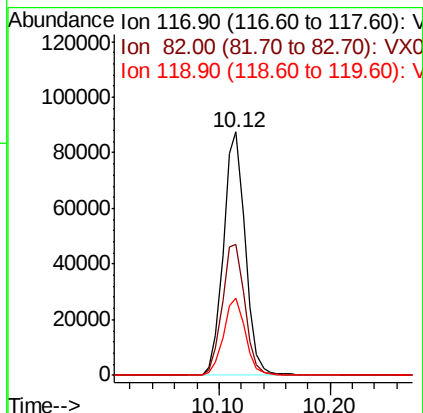
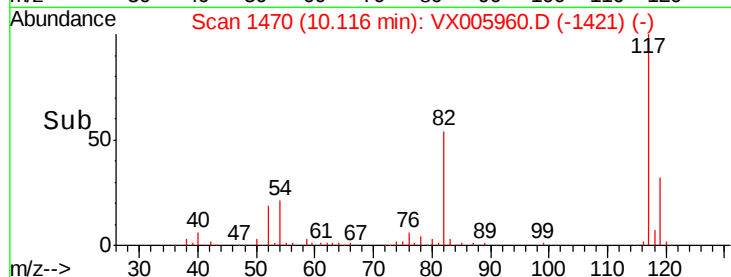
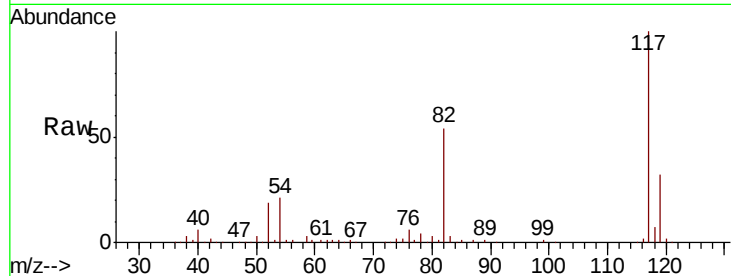




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005960.D
Acq: 13 Nov 2018 20:20

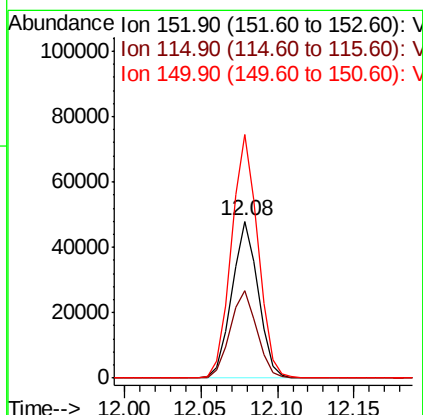
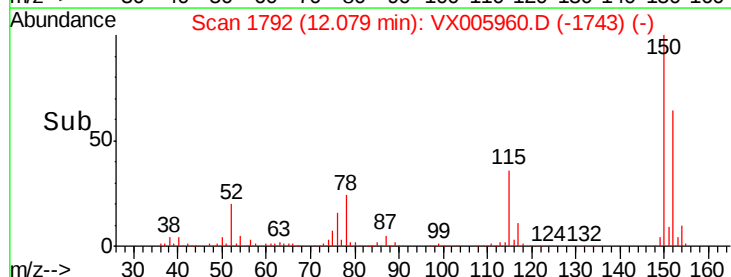
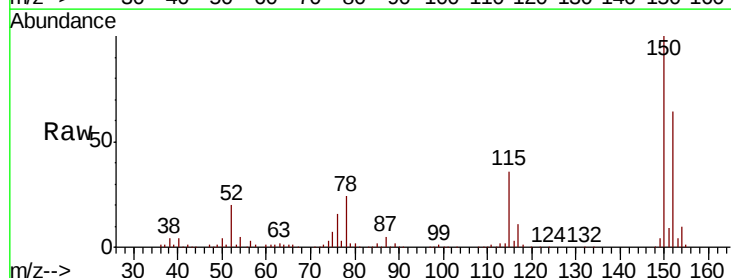
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-181112

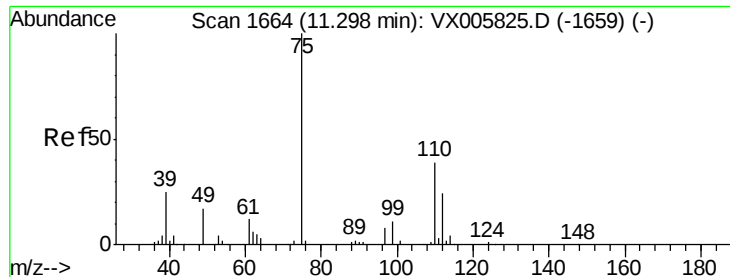
Tot Ion:117 Resp: 118782
Ion Ratio Lower Upper
117 100
82 53.7 44.1 66.1
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005960.D
Acq: 13 Nov 2018 20:20

Tgt Ion:152 Resp: 57018
Ion Ratio Lower Upper
152 100
115 56.4 39.4 118.1
150 156.5 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.254 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

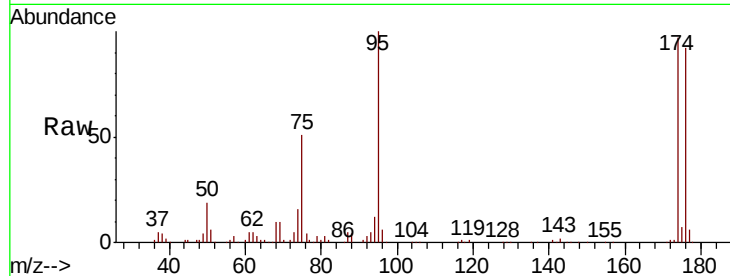
KY038PS036-181112

Tot Ion: 75 Resp: 26998

Ion Ratio Lower Upper

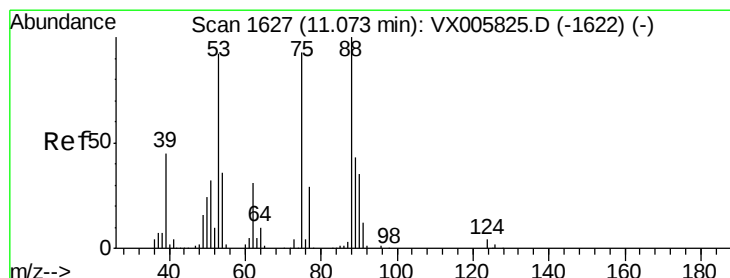
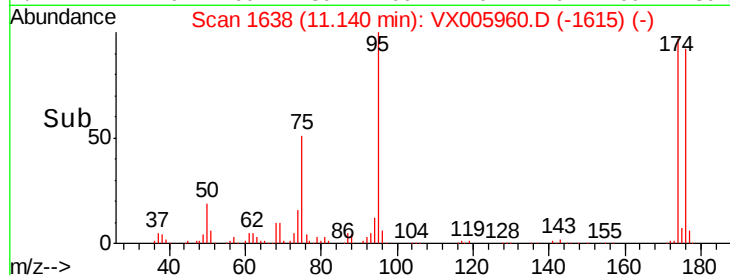
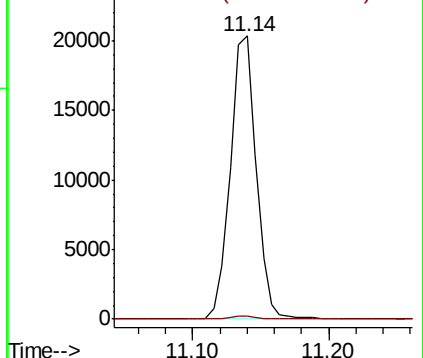
75 100

77 1.1 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.114 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005960.D

Acq: 13 Nov 2018 20:20

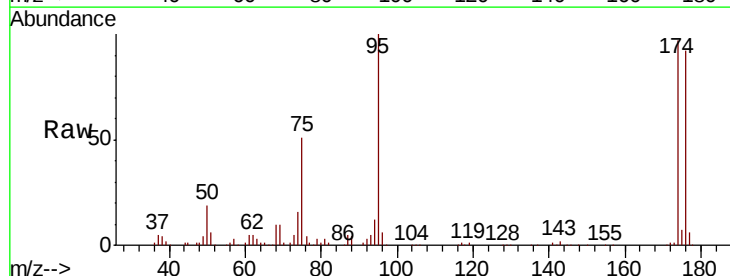
Tgt Ion: 75 Resp: 26998

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

